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Educational Systems, Inc.

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Pe- Basic Electricity	Ka- Auto Mechanics	Mp- Percents/Decimals 5-12
Pl- Industrial Solid-State Electronics	Oa- General Shop Practices	Mm- Measurements 4-6
Pd- Digital Electronics	Kc- Carpentry	Mg- Geometry 6-12
Me- Mathematics for Electronics	Oc- Construction	Mr- Math Problems 6-12
Ph- Physics	Vz- Vocational Vocabulary	Ma- Basic Algebra <div style="border: 1px solid black; padding: 2px; display: inline-block;">E=MC²</div>
Fl- Fluid Power Systems	Of- Office Careers	T- Reading Development Level K-1
St- Statistics	Hc- Health Services Careers	U- Reading Development Level 1-2
Pa- Principles of Accounting	Ab- Reading Comprehension	V- Reading Development Level 3-4
Bu- Business Communications	Cd- Reading Comprehension	W- Reading Development Level 5-6
Su- Supervisory Practices	Sp- Spelling Tutor	X- Reading Development Level 7
Ec- Economics	Ps- Basic Psychology	Y- Reading Development Level 8
Gv- United States Government	So- Basic Sociology	Z- Reading Development Level 9-10
Hs- United States History	Co- Counseling Procedures	U/ES- Spanish/English
Hw- World History	Ew- Effective Writing	ESL- English as a Second Language (32 programs)
Fa- First Aid and Safety	Mn- Math/Numbers 1-6	AdP- Adult Phonics (32 programs)
Py- Philosophy	Mf- Math/Fractions 4-8	En- Energy and Environment *
Cl- Great Classics	Vm- Vocational Math	

* To be released in 1983

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Digital Electronics

- ☐ Pd1 Digital Logic Electronics
- ☐ Pd2 Converting to Other Bases
- ☐ Pd3 Adding/Subtracting in Other Bases
- ☐ Pd4 Digital System Codes
- ☐ Pd5 Boolean Algebra in Digital Systems
- ☐ Pd6 Laws of Boolean Algebra
- ☐ Pd7 Practice With Boolean Algebra
- ☐ Pd8 Understanding Boolean Algebra
- ☐ Pd9 Operations With Logic Functions
- ☐ Pd10 The Digital Computer Lab
- ☐ Pd11 Using Logic Gates
- ☐ Pd12 Circuits: Comparators & Detectors
- ☐ Pd13 Adders and Decoders
- ☐ Pd14 The Seven-Segment Readout
- ☐ Pd15 Semicon. Memory Cells- Flip-Flops
- ☐ Pd16 TTL Integrated Circuits

Mathematics for Electronics

- ☐ Me1 Arithmetic Operations
- ☐ Me2 Using the Slide Rule
- ☐ Me3 Using Electronic Calculators
- ☐ Me4 "2 Percent Arithmetic"
- ☐ Me5 Negative Numbers; Notations
- ☐ Me6 Adding and Subtracting Fractions
- ☐ Me7 Roots and Powers of Numbers
- ☐ Me8 Powers of Ten in Electronics
- ☐ Me9 Equations and Formulas
- ☐ Me10 Operations With Unknowns
- ☐ Me11 Making Equations from Statements
- ☐ Me12 Solving Linear Equations
- ☐ Me13 Solving Simultaneous Equations
- ☐ Me14 Solving Quadratic Equations
- ☐ Me15 Trigonometric Functions
- ☐ Me16 Vector Operations

Industrial Solid - State Electronics

- ☐ Pl1 Switches, Relays, Fuses, Breakers
- ☐ Pl2 Transformers
- ☐ Pl3 Electric Generators
- ☐ Pl4 Electric Motors
- ☐ Pl5 Theory of Semiconductors
- ☐ Pl6 Transistor Operation
- ☐ Pl7 Transistor Amplifiers
- ☐ Pl8 Electronic Vacuum Tubes
- ☐ Pl9 Transistor Amplifier Curves
- ☐ Pl10 SCR's, Triacs, and Zeners
- ☐ Pl11 Multi-vibrators
- ☐ Pl12 Boolean Algebra
- ☐ Pl13 Gating Circuits
- ☐ Pl14 Radio Signal Transmission
- ☐ Pl15 Input and Output Devices
- ☐ Pl16 Electronic Instruments



Statistics

- ☐ St1 Frequency Distributions, definitions
- ☐ St2 Graphs - frequency, histograms
- ☐ St3 Measures of Central Tendency
- ☐ St4 Measures of Dispersion
- ☐ St5 Probability-general discussion
- ☐ St6 Probability - events
- ☐ St7 Probability Distributions-functions
- ☐ St8 Binomial Distribution - examples
- ☐ St9 Poisson Distribution - examples
- ☐ St10 Normal Distribution - properties
- ☐ St11 Normal Distribution - to binomial
- ☐ St12 Other Probability Distribution
- ☐ St13 Tests of Hypotheses - general
- ☐ St14 Tests of Hypotheses - t - X² tests
- ☐ St15 Test of Hypotheses - t - F tests
- ☐ St16 Review of Statistics - summary

Philosophy

- ☐ Py 1 What Is Philosophy?
- ☐ Py 2 Socrates, Plato, and Aristotle
- ☐ Py 3 Religious and Renaissance Phil.
- ☐ Py 4 The Modern Philosophers
- ☐ Py 5 Political Philosophy
- ☐ Py 6 More Political Philosophy
- ☐ Py 7 Epistemology
- ☐ Py 8 Economic Philosophy
- ☐ Py 9 Logic
- ☐ Py 10 Philosophy of Science
- ☐ Py 11 Metaphysics
- ☐ Py 12 Classical Ethics
- ☐ Py 13 Modern Ethics
- ☐ Py 14 Philosophy of Religion
- ☐ Py 15 Contemporary Philosophy
- ☐ Py 16 Futurism

Health Services Career

- ☐ Hi 1 The Medical Team
- ☐ Hi 2 The Health Professions
- ☐ Hi 3 Helping Patients
- ☐ Hi 4 Human Anatomy
- ☐ Hi 5 Medical History
- ☐ Hi 6 Extended care
- ☐ Hi 7 Supplies and Equipment
- ☐ Hi 8 Sterilizing Equipment
- ☐ Hi 9 Diagnostic Tests
- ☐ Hi 10 Blood Tests
- ☐ Hi 11 Using the Microscope
- ☐ Hi 12 Injections
- ☐ Hi 13 Electrocardiograms
- ☐ Hi 14 Radiology
- ☐ Hi 15 Medical Specialties
- ☐ Hi 16 Clear Communications



First Aid and Safety

- ☐ Fa 1 The Basic Rules of Safety
- ☐ Fa 2 Handling Equipment Safely
- ☐ Fa 3 Preventing Equipment Accidents
- ☐ Fa 4 Recognition of Coronary Attacks
- ☐ Fa 5 Care of Coronary Victims
- ☐ Fa 6 Recognition of Epileptic Seizures
- ☐ Fa 7 Diabetic Emergencies
- ☐ Fa 8 Prevention and Care of Electrical Shock
- ☐ Fa 9 Handling of Fractured Bones
- ☐ Fa 10 Care of Minor Cuts
- ☐ Fa 11 Care of Serious Cuts and Wounds
- ☐ Fa 12 Head, Eye, and Ear Injuries
- ☐ Fa 13 Moving Injured Persons
- ☐ Fa 14 Chemical Burns
- ☐ Fa 15 Frostbite and Cold Injuries
- ☐ Fa 16 Rescue Breathing

U/ES Spanish / English

- ☐ 1 about, some, they when, you
- ☐ 2 down, much, paid, were, who
- ☐ 3 because, four, girl, mother
- ☐ 4 also, high, leave, only, own, sure
- ☐ 5 ate, does, jump, woman, yellow
- ☐ 6 close, might, pair, sister, year
- ☐ 7 children, shoes, store, story, true
- ☐ 8 answer, course, half, receive
- ☐ 9 certain, distance, follow, picture
- ☐ 10 beautiful, finish, cry, afternoon
- ☐ 11 baby, die, important, toward, will
- ☐ 12 condition, continue, result
- ☐ 13 bicycle, crawl, elevator, fruit, soft
- ☐ 14 bang, bright, burn, early, clock
- ☐ 15 afraid, bounce, carries, dance
- ☐ 16 leaves, library, stairs, threw, weight

Auto Mechanics

- ☐ Ka 1 Checking out a used car
- ☐ Ka 2 Overhauling the car's engine
- ☐ Ka 3 Increasing the car's performance
- ☐ Ka 4 Facts about the car's mechanism
- ☐ Ka 5 Terms a mechanic uses
- ☐ Ka 6 The car's electrical system
- ☐ Ka 7 The Automobile Mechanic-Career
- ☐ Ka 8 The Mechanic and His Tools
- ☐ Ka 9 Safety in the Shop; color code
- ☐ Ka 10 The Diagnostic Center
- ☐ Ka 11 Engine displacement in cubic inches
- ☐ Ka 12 Converting to the metric system
- ☐ Ka 13 Mileage - fuel performance
- ☐ Ka 14 Computing changes and labor costs
- ☐ Ka 15 Replacing a burned - out fuse
- ☐ Ka 16 Credit interest, paycheck deductions

Construction

- ☐ Oc 1 Construction site tools
- ☐ Oc 2 Four kinds of masonry mortar
- ☐ Oc 3 Making, setting, finishing concrete
- ☐ Oc 4 Measuring and drafting tools
- ☐ Oc 5 Orthographic and pictorial views
- ☐ Oc 6 Construction terms defined
- ☐ Oc 7 Nails, woodscrews illustrated
- ☐ Oc 8 Wood, uses, dimension lumber
- ☐ Oc 9 Power saws, electric drills
- ☐ Oc 10 Plumbing terms, concepts, equip.
- ☐ Oc 11 Installations of pipe and fittings
- ☐ Oc 12 Painters, estimating amounts
- ☐ Oc 13 Brushes, rollers, spray guns
- ☐ Oc 14 Preparing wall and trim surfaces
- ☐ Oc 15 Electricity-terms and components
- ☐ Oc 16 Electrical wiring of a building

Carpentry

- ☐ Kc 1 Plans for building a house
- ☐ Kc 2 Construction of a house
- ☐ Kc 3 Framework and basic construction
- ☐ Kc 4 Erect, close in-materials, elements
- ☐ Kc 5 The trimwork on a house
- ☐ Kc 6 Completing for occupancy
- ☐ Kc 7 The Trade of Carpentry
- ☐ Kc 8 The Carpenter and His Tools
- ☐ Kc 9 Wood: The Basic Material
- ☐ Kc 10 Safety on the Job
- ☐ Kc 11 Solving carpentry problems
- ☐ Kc 12 Fractional and decimal values
- ☐ Kc 13 Problems carpenters deal with
- ☐ Kc 14 Linear measurements
- ☐ Kc 15 Problems involving area
- ☐ Kc 16 Board foot measurement-lumber



General Shop Practices

- ☐ Oa 1 Tool identification lesson, Part 1
- ☐ Oa 2 Tool identification lesson, Part 2
- ☐ Oa 3 Fasteners and hardware
- ☐ Oa 4 Proper lubricant for small engines
- ☐ Oa 5 Performing periodic services
- ☐ Oa 6 Operation of the four-cycle engine
- ☐ Oa 7 Discussion of a two-cycle engine
- ☐ Oa 8 Use of micrometers and calipers
- ☐ Oa 9 Measuring, marketing, cutting-metal
- ☐ Oa 10 Soldering electrical connections
- ☐ Oa 11 The acetylene torch, safety rules
- ☐ Oa 12 Cutting and Welding
- ☐ Oa 13 Electric arc welding, terms, types
- ☐ Oa 14 Unsafe situations, prevention
- ☐ Oa 15 Employment hints
- ☐ Oa 16 Discussion of Business Etiquette

READING COMPREHENSION

- ☐ Ab 1 The Story of Boo
- ☐ Ab 2 The Horse Gentler
- ☐ Ab 3 Edward P. McCabe: Pioneer
- ☐ Ab 4 Our Dog Skippy
- ☐ Ab 5 Egor, the Missing Boa
- ☐ Ab 6 The Electric Car
- ☐ Ab 7 Althea Gibson, Tennis Champ
- ☐ Ab 8 The Chickasaw Nation
- ☐ Ab 9 The Ghost of Raymond Hill
- ☐ Ab 10 The Train Set
- ☐ Ab 11 Sleep: The Body's Mystery
- ☐ Ab 12 The Buffalo Soldiers
- ☐ Ab 13 The Great Ostrich Race
- ☐ Ab 14 Basketball Magicians
- ☐ Ab 15 Lost Gold
- ☐ Ab 16 Grandma's World

- ☐ Cd 1 Leah's House
- ☐ Cd 2 Sacajawea
- ☐ Cd 3 The Star Travellers
- ☐ Cd 4 Wyoming Journal
- ☐ Cd 5 The Deep Blue Caper
- ☐ Cd 6 Recovery
- ☐ Cd 7 Surfing
- ☐ Cd 8 Continental Drift
- ☐ Cd 9 Adventurer
- ☐ Cd 10 The Great One
- ☐ Cd 11 The Year of the Artist
- ☐ Cd 12 Aaron Burr
- ☐ Cd 13 The Heroic Age
- ☐ Cd 14 Civil War Soldier
- ☐ Cd 15 Jelly Roll
- ☐ Cd 16 The Inventor

Level 1 - 2

- ☐ U1 about, bear, if, some they, when
- ☐ U2 boy, down, little, much, paid
- ☐ U3 because, box, four, girl, school
- ☐ U4 also, high, leave, only, own, sure
- ☐ U5 ate, does, eight, jump, woman
- ☐ U6 close, clothes, might, pair, sister
- ☐ U7 children, shoes, store, story, suit
- ☐ U8 answer, course, half, receive, Mr.
- ☐ U9 certain, distance, follow, month
- ☐ U10 afternoon, beautiful, church, cry
- ☐ U11 baby, body, die, important, will
- ☐ U12 aunt, condition, continue, music
- ☐ U13 bicycle, crawl, elevator, fruit, soft
- ☐ U14 band, bang, bright, burn, clock
- ☐ U15 afraid, babies, bounce, carrier
- ☐ U16 lake, leaves, library, stairs, weight

Level 3 - 4

- ☐ V1 ancestor, know, musician, office
- ☐ V2 argued, captured, faint, punish
- ☐ V3 ancient, anxious, elegant
- ☐ V4 announcement, exercise, spider
- ☐ V5 accident, instrument, prayer
- ☐ V6 anger, explanation, opinion
- ☐ V7 article, duty, expert, language
- ☐ V8 celebration, defense, rejoice
- ☐ V9 bushel, efforts, harvest, rustle
- ☐ V10 clumsy, disgust, endurance
- ☐ V11 ability, famous, prompt, trench
- ☐ V12 adobe, cautious, collie, pasture
- ☐ V13 darken, generous, pierce, seldom
- ☐ V14 amazed, equipment, necessity
- ☐ V15 conquer, dough, liquid, operate
- ☐ V16 ashes, craters, disaster, fountain

Level 5 - 6

- ☐ W1 announce, chauffeur, fabric
- ☐ W2 camouflage, conspicuous, ostrich
- ☐ W3 alga, encrust, prehensile
- ☐ W4 captive, meadow, wilderness
- ☐ W5 brilliant, earth, icicle, pillars
- ☐ W6 atmosphere, cease, exit
- ☐ W7 abandon, geography, perilous
- ☐ W8 ceremony, crystal, myth, rely
- ☐ W9 agreement, error, hesitation
- ☐ W10 automatic, evidence, helmet
- ☐ W11 abundant, artificial, genuine
- ☐ W12 astronomer, civilize, curse
- ☐ W13 anxiety, condemn, essential
- ☐ W14 advertising, characteristic
- ☐ W15 cavity, contribute, fuel, major
- ☐ W16 bacteria, drug, fatigue, virus

Level 7

- ☐ X1 artillery, demarcation, haphazard
- ☐ X2 acknowledge, commotion, escort
- ☐ X3 amend, cordial, intrigue, lecture
- ☐ X4 friction, mesh, precede, survey
- ☐ X5 appoint, elapsed, felled, infuriate
- ☐ X6 deport, elaborately, glint, novel
- ☐ X7 deem, furtive, limpid, scanty
- ☐ X8 hesitate, inconvenience, mingle
- ☐ X9 aromatic, gnarled, ledge, park
- ☐ X10 angelic, belated, monotonous
- ☐ X11 arid, circulate, evaporation
- ☐ X12 archaeologist, document
- ☐ X13 aloft, ascension, ballast, value
- ☐ X14 debris, dilapidated, phenomena
- ☐ X15 bachelor, comprehend, eclipse
- ☐ X16 advisory, demolish, legislative

Level 8

- ☐ Y1 abnormal, deficiency, optical
- ☐ Y2 contaminate, extinguish
- ☐ Y3 authentic, discriminating
- ☐ Y4 barter, charter, dilemma
- ☐ Y5 affirm, budget, substantial
- ☐ Y6 advocated, nourish, prophecy
- ☐ Y7 abbreviate, annex, marooned
- ☐ Y8 adjacent, copyright, incentive
- ☐ Y9 abolish, diminish, infuriate
- ☐ Y10 analysis, biased, effective, evasive
- ☐ Y11 adhere, evacuate, excel, meager
- ☐ Y12 adjourn, caress, evade, obstruct
- ☐ Y13 appalled, dejectedly, futile
- ☐ Y14 adept, canvass, exterminate
- ☐ Y15 adrift, clarify, deduct, illegal
- ☐ Y16 antiseptic, debris, masquerade

Level 9 - 10

- ☐ Z1 bayonet, complex, idolize, indigo
- ☐ Z2 boon, diverted, itemize, nominate
- ☐ Z3 allot, chaste, insulate, monastery
- ☐ Z4 accomodation, circuit, maintenance
- ☐ Z5 abate, acclimate, adage, adherent
- ☐ Z6 absorption, bewildered, exerts, piling
- ☐ Z7 abstract, agitation, amplify
- ☐ Z8 accentuate, alleviate, annihilate, arid
- ☐ Z9 belligerent, biennial, caliber, coalition
- ☐ Z10 caste, celestial, compulsory, conversion
- ☐ Z11 catalyze, contemplate, diction, duct
- ☐ Z12 dauntless, debonair, decrepit, disband
- ☐ Z13 dehydrate, denounce, deter, disheveled
- ☐ Z14 elongate, emitting, enunciate, explicit
- ☐ Z15 famished, feint, flair, forthright, fray
- ☐ Z16 genetics, glutenous, harmonized, hybrid

Vocational Vocabulary

- ☐ Vz 1 Carpenter, implement, rebuild, unfit
- ☐ Vz 2 Cabinet, dimension, girders, link
- ☐ Vz 3 Biscuit, crust, seep, vapor, bon bon
- ☐ Vz 4 Dough, sliced, crush, consumption
- ☐ Vz 5 Adorn, chamber, modern, drab
- ☐ Vz 6 Designer, fabric, textile, exquisite
- ☐ Vz 7 Bushel, grain, nitrogen, troublesome
- ☐ Vz 8 Attendant, hoist, install, courteously
- ☐ Vz 9 Medicine, judgment, scientific, brief
- ☐ Vz 10 Cell, drugs, fatal, invalid, vaccination
- ☐ Vz 11 Injure, aid, misfortune, calamity
- ☐ Vz 12 Duty, Violence, elude, surrender
- ☐ Vz 13 Fountain, irrigate, maze, industrious
- ☐ Vz 14 Disease, avoid, cure, antiseptic
- ☐ Vz 15 Mechanic, device, adequate, chance
- ☐ Vz 16 Arid, humidity, commercial, insert

MATHEMATICS

Level 1 - 6

- ☐ Mn1 Learning number digits
- ☐ Mn2 Learning number meanings
- ☐ Mn3 Fundamental drills in addition
- ☐ Mn4 Fundamental drills in subtraction
- ☐ Mn5 Drills in Multiplication
- ☐ Mn6 Fundamental drills in division
- ☐ Mn7 Greek and Roman numeration
- ☐ Mn8 Babylonian and Hindu-Arabic
- ☐ Mn9 Base ten raised to powers
- ☐ Mn10 Grouping and re - grouping
- ☐ Mn11 Lines and Angles: naming, adding
- ☐ Mn12 Triangles, squares, rectangles, circles
- ☐ Mn13 Fractions: equal and unequal parts
- ☐ Mn14 Fractions: equal parts of a whole
- ☐ Mn15 Writing and comparing fractions
- ☐ Mn16 Naming, defining parts of fractions

Level 4 - 6

- ☐ Mm1 Reading line graphs
- ☐ Mm2 Reading double line graphs
- ☐ Mm3 Understanding single bar graphs
- ☐ Mm4 Understanding double bar graphs
- ☐ Mm5 Interpreting picture graphs
- ☐ Mm6 Interpreting circle graphs
- ☐ Mm7 Estimating distances: pace, height
- ☐ Mm8 Estimating distances: foot, span
- ☐ Mm9 Estimating weights of objects
- ☐ Mm10 Telling time by hours, A.M., P.M.
- ☐ Mm11 Telling time by minutes
- ☐ Mm12 Telling time - story problems
- ☐ Mm13 Time zones - differences between
- ☐ Mm14 Elapsed time in minutes, seconds
- ☐ Mm15 Fractional, percentage circle graphs
- ☐ Mm16 Circle and bar graphs from data

Level 4 - 8

- ☐ Mf1 Numerator, denominator, bar
- ☐ Mf2 Multiplication of fractions
- ☐ Mf3 Factors and prime numbers
- ☐ Mf4 Reducing fractions, reciprocals
- ☐ Mf5 Reducing fractions, lowest terms
- ☐ Mf6 Proper fractions, mixed numbers
- ☐ Mf7 Multiplication-division of fractions
- ☐ Mf8 Addition-subtraction of fractions
- ☐ Mf9 Addition of mixed numbers
- ☐ Mf10 Changing fractions to decimals
- ☐ Mf11 Converting decimal numbers
- ☐ Mf12 Word problems using percents
- ☐ Mf13 Additional problems using percents
- ☐ Mf14 Word problems using percents
- ☐ Mf15 Finding circle area using pi
- ☐ Mf16 Using a ruler to measure fractions

Level 5 - 12

- ☐ Mp1 Decimal and fractional equivalents
- ☐ Mp2 Place values of decimal point
- ☐ Mp3 Addition-subtraction of decimals
- ☐ Mp4 Multiplication of decimals
- ☐ Mp5 Changing fractions to decimals
- ☐ Mp6 Rounding decimals, dollars, cents
- ☐ Mp7 Changing percent to decimal fractions
- ☐ Mp8 Part, percent, total in percent
- ☐ Mp9 Solving for a missing percent value
- ☐ Mp10 Reciprocals in simple equations
- ☐ Mp11 Percent of one number to another
- ☐ Mp12 Interest on money, Part 1, principal
- ☐ Mp13 Part 2, interest formula, installment
- ☐ Mp14 Part 3, discounted-installment interest
- ☐ Mp15 Part 4, comparing interest
- ☐ Mp16 Part 5, simple interest on savings

Level 6 - 12

- ☐ Mr1 Basic arithmetic problems
- ☐ Mr2 Computations with currency
- ☐ Mr3 Fraction and percent problems
- ☐ Mr4 Fractional, percent, interest
- ☐ Mr5 Percent and business problems
- ☐ Mr6 Currency and fractions
- ☐ Mr7 Fractions, decimals, percents
- ☐ Mr8 Fractions, business arithmetic
- ☐ Mr9 Discount, percent, fractions
- ☐ Mr10 Percent, interest, area
- ☐ Mr11 Fractions, time units, rates of speeds
- ☐ Mr12 Business and general problems
- ☐ Mr13 Operations and money problems
- ☐ Mr14 Business and general problems
- ☐ Mr15 Interest, commission, percent
- ☐ Mr16 Money and fractions

Level 6 - 12

- ☐ Mg1 Equilateral, isosceles, right triangles
- ☐ Mg2 Formula for perimeter of triangles
- ☐ Mg3 Finding one side of a triangle
- ☐ Mg4 Side of an equilateral triangle
- ☐ Mg5 Area of triangles
- ☐ Mg6 Squares of small numbers, roots
- ☐ Mg7 Pythagorean theorem
- ☐ Mg8 3-4-5 and 5-12-13 right triangles
- ☐ Mg9 Estimating square roots
- ☐ Mg10 Perimeter of rectangles and squares
- ☐ Mg11 Finding one side of a rectangle
- ☐ Mg12 Area of rectangles and squares
- ☐ Mg13 Length, width, area of rectangles
- ☐ Mg14 Diagonals, interior angles of rectangles
- ☐ Mg15 Radius and diameter of circles
- ☐ Mg16 Volume of cylinders and prisms